

December 2005 Update

Rose Park Sludge Pit Superfund Site Salt Lake City, UT (5-Year Review Date: 9/19/2002)

Highlights Since the 2002 5-Year Report

- **UDEQ receiving free-phase hydrocarbon monitoring reports from BP**

Brief Site History: Rose Park Sludge Pit is a two-acre site in a Salt Lake City park. Local oil refineries discarded their petroleum wastes at the site. Refinery sludges are very acidic and contain polycyclic aromatic hydrocarbons (PAHs) and sulphur dioxide. Site health risks included the potential for burns to people and animals that came in contact with the sludge or breathed gases from the pit. There was also the potential for ground-water contamination from the unlined sludge pit. In 1982, EPA listed the site on the Superfund National Priorities List at the request of the State of Utah.

Cleanup Activities Completed: By 1985 the potentially responsible party (Amoco Oil Company) had completed the following cleanup activities:

- Construction of a slurry wall around the pit to isolate the wastes and prevent ground-water contamination.
- Installation of a clay cap on top of the pit to prevent the wastes from coming in contact with park visitors, and to keep water from seeping through the pit and contaminating ground water.
- For additional protection, traffic barriers were placed around the perimeter of the cap to prevent damage.
- Installation of several ground-water wells to monitor the on-going effectiveness of the slurry wall.

Current Status: This is the third five-year review conducted at the Rose Park Sludge Pit. The first two five-year reviews were completed on June 1, 1992 and August 5, 1997. At the time of this current five-year review the containment remedy is functioning as intended.

Summary of Protectiveness: The remedies at the Rose Park Sludge Pit are expected to be protective of human health and the environment. The cap was in good condition and all twenty monitoring wells on-site were secured and in good condition.

Issues Impacting Protectiveness: A few issues that do not immediately impact the protectiveness of the remedy were noted. The following table summarizes the status of the follow-up actions addressing these issues.

**Rose Park Sludge Pit Superfund Site
Five-Year Review Update Table
(Review Date: 9/19/2002)**

Issues	Recommendations Follow-up Actions	Follow-up Actions (Status/Due date)	Status of Follow- up Actions 12/05	Responsible Party
1) Monitoring of free-phase hydrocarbons (fph) in well MW-90-3S	- BP will measure and monitor fph in well MW-90-3S and report results to UDEQ/DERR and the EPA.	BP began annual monitoring for fph in March 2002. The data indicated fph thickness in well MW-90-3S was 2.72 feet. As the results were similar to past results in the well, UDEQ does not have concerns about protectiveness at this time. UDEQ expects to receive the 2003 fph data in April 2004.	BP began annual monitoring for fph in March 2002. UDEQ received reports for 4/18/05 and 4/16/06.	British Petroleum (BP)
2) Tar seep discovered south of the Sludge Pit.	- BP will remove top two feet of waste material, dispose of waste according to all regulations, replace with clean fill and revegetate. All future discoveries of tar seeps will be documented and addressed in the same manner.	BP removed 1,080 lbs of tar material on 8/19/02 and backfilled and reseeded the area. Subsequent inspections have not detected additional tar material at the surface. As no new tar has been discovered, UDEQ does not have concerns about protectiveness.	BP removed 1,080 lbs of tar material on 8/19/02 and backfilled and reseeded the area. Subsequent inspections have not detected additional tar material at the surface.	BP
3) No records of ICCA or deed restrictions for RPSP at the SLC County Records office	- BP will coordinate with the SLC Corporation to record the chain-of-title for the RPSP property at the SLC Records Office.	BP contacted SLC Corporation in September 2002. The ICCA was filed in 1985 with the Salt Lake County Recorder. BP provided UDEQ with a copy of the first page of the ICCA from Recorder Book 5687 page 402. UDEQ does not have any concerns about protectiveness.	The ICCA was filed in 1985 with the Salt Lake County Recorder. BP provided UDEQ with a copy of the first page of the ICCA from Recorder Book 5687 page 402	BP